Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/01/2015 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124854	-1	1.52	124750	1.43
Blue	F	SSC	125000	122234	-3	2.60	123209	2.37
Blue	E	FITC	17374	16827	-4	2.24	950	8.06
Blue	D	PE	22653	22137	-3	1.89	999	7.11
Blue	B	PerCP-Cy5-5	64987	64078	-2	2.50	1693	11.84
Blue	A	PE-Cy7	74081	73160	-2	3.57	969	21.83
Red	C	APC	61430	60583	-2	2.45	3424	7.64
Red	A	APC-Cy7	88289	87459	-1	2.51	1728	7.71
Violet	B	V450	12535	11950	-5	3.58	739	7.24
Violet	A	V500	47468	46176	-3	3.33	2611	5.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20226	4.60	575	-4	N/A	N/A	Pass
Blue	F	SSC	61213	1.67	492	3	N/A	N/A	Pass
Blue	E	FITC	104	31.40	509	0	0.0304	17	Pass
Blue	D	PE	207	21.93	502	1	0.2190	130	Pass
Blue	B	PerCP-Cy5-5	209	34.88	581	1	0.0136	0	Pass
Blue	A	PE-Cy7	73	86.48	638	1	0.0194	11	Pass
Red	C	APC	319	25.22	571	1	0.0241	46	Pass
Red	A	APC-Cy7	108	36.31	548	2	0.0050	581	Pass
Violet	B	V450	78	37.82	454	5	0.0679	2122	Pass
Violet	A	V500	171	18.71	482	4	0.0187	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.36	-31.16	0.80
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.23
Red	17.31	13.07 - 19.61	N/A	N/A	31.74	32.08	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 12686

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments